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DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L24</u>	l10 and l13	14	<u>L24</u>
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<u>L21</u>	web and serve\$6 near6 quer\$6 and dynami\$4 near6 cache	17	<u>L21</u>
<u>L20</u>	web near6 serve\$2 near5 quer\$4 dynami\$4 near6 cache	1270	<u>L20</u>
<u>L19</u>	L12 and quer\$4 near5 cache and cop\$4	40	<u>L19</u>
<u>L18</u>	L12 amd quer\$4 near5 cache and cop\$4	7487	<u>L18</u>
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<u>L13</u>	L12 and cache near5 databas\$2	19	<u>L13</u>
<u>L12</u>	updat\$4 near4 cache near8 serve\$2 and quer\$4 near9 cache	47	<u>L12</u>
<u>L11</u>	((((707/\$)!CCLS.))	12770	<u>L11</u>
<u>L10</u>	((((709/\$)!CCLS.))	14074	<u>L10</u>
<u>L9</u>	((((711/\$)!CCLS.))	12670	<u>L9</u>
<u>L8</u>	((((711/113)!CCLS.))	458	<u>L8</u>
<u>L7</u>	((((709/240)!CCLS.))	100	<u>L7</u>
<u>L6</u>	((((707/206)!CCLS.))	247	<u>L6</u>
<u>L5</u>	((((707/200)!CCLS.))	767	<u>L5</u>
<u>L4</u>	((((707/104)!CCLS.))	3	<u>L4</u>
<u>L3</u>	((((707/100)!CCLS.))	925	<u>L3</u>
<u>L2</u>	((((707/10)!CCLS.))	1763	<u>L2</u>
<u>L1</u>	((707/1)!CCLS.))	1266	<u>L1</u>

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L21: Entry 17 of 17

File: USPT

Apr 27, 1999

US-PAT-NO: 5897622

DOCUMENT-IDENTIFIER: US 5897622 A

TITLE: Electronic shopping and merchandising system

DATE-ISSUED: April 27, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Blinn; Arnold	Bellevue	WA		
Cohen; Michael Ari	San Francisco	CA		
Lorton; Michael	Redmond	WA		
Stein; Gregory J.	Redmond	WA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Microsoft Corporation	Redmond	WA			02

APPL-NO: 8/ 732012 [PALM]

DATE FILED: October 16, 1996

INT-CL: [6] G06 F 17/60, G06 F 13/00, G06 F 15/16

US-CL-ISSUED: 705/26; 705/27, 707/3, 707/104, 707/501, 707/513

US-CL-CURRENT: 705/26; 705/27, 707/104.1, 707/3, 707/501.1, 707/513

FIELD-OF-SEARCH: 705/26, 705/27, 705/30, 705/35, 705/39, 707/1, 707/2, 707/3, 707/4, 707/5, 707/6, 707/10, 707/100, 707/102, 707/103, 707/104, 707/501, 707/509, 707/513, 395/200.31, 395/200.33, 395/200.47, 395/200.49

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected**Search ALL**

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5708825</u>	January 1998	Sotomayor	395/762
<input type="checkbox"/>	<u>5754772</u>	May 1998	Leaf	395/200.33
<input type="checkbox"/>	<u>5761656</u>	June 1998	Ben-Shachar	707/4
<input type="checkbox"/>	<u>5802518</u>	September 1998	Karaev et al.	707/9

OTHER PUBLICATIONS

Andraka; "Put Your Database on the Web"; Data Based Advisor; v14 n6; p. 12(3); Jun. 1996; Dialog: File 275, Acc#01941476.
 Vaughan-Nichols; "Unleashing Databases on the Web--True Wealth and Power Belong to Those Who Control Information Access"; NetGuide, 1996; n307; p. 111; Jul. 1, 1996; Dialog: File 647, Acc#01097465.

Olympia; "Cold Fusion"; Autobahn"; DBMS; v9 n8; p. 3; Jul. 1996; Dialog: File 275, Acc#01955956.

eShop Technology overview, Internet address:

<http://www.eshop.com/corp/technology.html>. This reference was copied from the Internet and printed in or about May 1996; the pages are dated Jan. 1, 1996.

eShop In The News--Recent Press Release, Internet address:

<http://www.eshop.com/corp/press.html>. This reference was copied from the Internet and printed in or about May 1996; the pages are dated Jan. 1, 1996. Dates are listed for press releases of Nov. 7, 1995, Dec. 7, 1995 and Jan. 23, 1996.

eShop.TM. Technology Merchant Manual, Feb. 21, 1996. This document contains proprietary material subject to M.P.E.P. .sctn. 724.

ART-UNIT: 271

PRIMARY-EXAMINER: Tkacs; Stephen R.

ATTY-AGENT-FIRM: Lee & Hayes, PLLC

ABSTRACT:

The present invention provides a merchant system for online shopping and merchandising. The merchant system architecture provides great flexibility for a merchant to adapt the merchant system to their existing business practices, promotions and databases. The merchant system includes a dynamic page generator, a configurable order processing module and a database module capable of retrieving data from the database without regard to its schema. The present invention enables merchants to create electronic orders which are easily adaptable for different sales situations. The order processing module includes multiple configurable stages to process a merchant's electronic orders. The merchant system is capable of generating pages dynamically using templates having embedded directives. The database module and the dynamic page generator allow merchants to modify their databases and page displays without having to reengineer the merchant system.

64 Claims, 18 Drawing figures

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L24: Entry 11 of 14

File: USPT

Jan 18, 2000

US-PAT-NO: 6016512

DOCUMENT-IDENTIFIER: US 6016512 A

TITLE: Enhanced domain name service using a most frequently used domain names table and a validity code table

DATE-ISSUED: January 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Huitema; Christian	New York	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Telcordia Technologies, Inc.	Morristown	NJ			02

APPL-NO: 9/ 135619 [PALM]

DATE FILED: August 18, 1998

PARENT-CASE:

RELATED APPLICATIONS This application is based on and claims the priority of provisional application Ser. No. 60/066,227 filed on Nov. 20, 1997, the contents of which are hereby incorporated by reference.

INT-CL: [6] G06 F 13/00, G06 F 17/30, H04 L 12/26

US-CL-ISSUED: 709/245; 709/227, 709/249, 709/203, 707/100

US-CL-CURRENT: 709/245; 707/100, 709/203, 709/227, 709/249

FIELD-OF-SEARCH: 395/200.75, 395/200.3, 395/200.33, 395/200.35, 395/200.36, 395/200.48, 395/200.49, 395/200.52, 395/200.55, 395/200.58, 395/200.61, 709/245, 709/201, 709/203, 709/206, 709/218, 709/219, 709/227, 709/249, 707/100, 707/1, 707/9, 707/10

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5227778</u>	July 1993	Vacon et al.	340/825.52
<input type="checkbox"/>	<u>5434914</u>	July 1995	Fraser	379/219
<input type="checkbox"/>	<u>5664185</u>	September 1997	Landfield et al.	707/104
<input type="checkbox"/>	<u>5777989</u>	July 1998	McGarvey	709/249
<input type="checkbox"/>	<u>5815664</u>	September 1998	Asano	709/227
<input type="checkbox"/>	<u>5864854</u>	January 1999	Boyle	707/10

OTHER PUBLICATIONS

<http://www.dns.be/rfc/rfc1035.html> Feb. 13, 1996.
<http://www.cs.unc.edu/Courses/wwwc/public/ladd/search.html> Feb. 14, 1995.
<http://www.webcrawler.com/mak/projects/robots/faq.html> Feb. 10, 1996.
Knuth, The art of computer programming, Addison-Wesley Publishing Inc., Sub-chapter 6.4 1969/81.

ART-UNIT: 277

PRIMARY-EXAMINER: Dinh; Dung C.

ASSISTANT-EXAMINER: Le; Quoc-Khanh

ATTY-AGENT-FIRM: Giordano; Joseph

ABSTRACT:

A system prefetches most frequently used domain names and stores the domain name data at local cache servers. It generates validity codes to enable error checking for valid domain names at the local cache servers without accessing root servers. A cache server obtains, stores, and propagates updates or new DNS data to local cache servers at predetermined intervals. Users can obtain internet protocol addresses of domain names directly from local cache servers, thus eliminating processing delays over the Internet.

10 Claims, 6 Drawing figures

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<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L6</u>	L5 and cache	1	<u>L6</u>
<u>L5</u>	L3 and query	3	<u>L5</u>
<u>L4</u>	L3 and quer\$ same cache	0	<u>L4</u>
<u>L3</u>	5924096.uref.	13	<u>L3</u>
<u>L2</u>	L1 and query	1	<u>L2</u>
<u>L1</u>	5924096.pn.	3	<u>L1</u>

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L2: Entry 1 of 1

File: USPT

Jul 13, 1999

DOCUMENT-IDENTIFIER: US 5924096 A

TITLE: Distributed database using indexed into tags to tracks events according to type, update cache, create virtual update log on demand

Brief Summary Paragraph Right (3):

However, distributing database replicas creates the problem of maintaining consistency, at least to some degree, between the replicas. Steps must be taken to synchronize the replicas so that a database query using one replica of the database tends (or in some cases, is guaranteed) to give the same result as a query using another replica of the database. Aspects of database transaction synchronization are discussed in commonly owned copending application Ser. No. 08/700,487 filed Sep. 3, 1996. Aspects of clash handling during synchronization are discussed in commonly owned copending application Ser. No. 08/700,489 filed Sep. 3, 1996. Commonly owned copending application Ser. No. 08/700,490 filed Sep. 3, 1996 discusses compression of "physical" update logs, namely, logs which are created and maintained more-or-less continuously during database usage. These discussions are incorporated herein by reference.

Brief Summary Paragraph Right (4):

Caching part or all of a replica in memory, to reduce disk accesses and/or network traffic, may dramatically reduce the response time to a query. However, caching complicates synchronization by increasing both the number and kind of replicas present in the system. Both cached replicas and replicas stored on disk must be updated to maintain adequate consistency throughout the database. In addition, decisions must be made about when to use the cache and when to use the disk in response to a database query or update operation.

WEST**End of Result Set**

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L6: Entry 1 of 1

File: USPT

Nov 20, 2001

US-PAT-NO: 6321235

DOCUMENT-IDENTIFIER: US 6321235 B1

TITLE: Global caching and sharing of SQL statements in a heterogeneous application environment

DATE-ISSUED: November 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bird; Paul M.	Toronto			CAX

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
International Business Machines Corporation	Armonk	NY			02	

APPL-NO: 9/ 162164 [PALM]

DATE FILED: September 29, 1998

INT-CL: [7] G06 F 17/30

US-CL-ISSUED: 707/203; 707/2, 707/4

US-CL-CURRENT: 707/203; 707/2, 707/4

FIELD-OF-SEARCH: 707/8, 707/2, 707/4, 707/203, 709/203

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5136707</u>	August 1992	Block et al.	707/201
<input type="checkbox"/>	<u>5283894</u>	February 1994	Deran	707/1
<input type="checkbox"/>	<u>5544345</u>	August 1996	Carpenter et al.	711/150
<input type="checkbox"/>	<u>5559984</u>	September 1996	Nakano et al.	711/121
<input type="checkbox"/>	<u>5848241</u>	December 1998	Misinai et al.	709/213
<input type="checkbox"/>	<u>5897634</u>	April 1999	Attaluri et al.	707/8
<input type="checkbox"/>	<u>5924096</u>	July 1999	Draper et al.	707/10
<input type="checkbox"/>	<u>5974129</u>	October 1999	Bodnar	379/207
<input type="checkbox"/>	<u>5987499</u>	November 1999	Morris et al.	709/203
<input type="checkbox"/>	<u>6021413</u>	January 2000	Vaduvur et al.	707/201
<input type="checkbox"/>	<u>6073129</u>	June 2000	Levine et al.	707/4
<input type="checkbox"/>	<u>6098064</u>	August 2000	Pirolli et al.	707/2
<input type="checkbox"/>	<u>6115703</u>	September 2000	Bireley et al.	707/2
<input type="checkbox"/>	<u>6233584</u>	May 2001	Purcell	707/103
<input type="checkbox"/>	<u>6237000</u>	May 2001	Dahlen et al.	707/100
<input type="checkbox"/>	<u>6243719</u>	June 2001	Ikuta et al.	707/204

OTHER PUBLICATIONS

Attaluri et al., "Concurrency Control of Large Unstructured Data," IEEE, 1988, pp. 314-323.*

Thomas et al., "Heterogenous Distributed Database Systems for Production Use," ACM Computing Surveys, v. 22, No. 3, Sep. 1990, pp. 237-266.

ART-UNIT: 211

PRIMARY-EXAMINER: Black; Thomas

ASSISTANT-EXAMINER: Rones; Charles L.

ATTY-AGENT-FIRM: Johnson; Prentiss W. Johnson; Daniel E.

ABSTRACT:

A global cache for SQL sections and methods of accessing the cache. The global cache being at the database level and being accessible to all agents of all applications. The global cache having a static and a dynamic portion. The static portion containing section entries having both section information and section data. The dynamic portion having two sub-portions, a statement portion and a dependency portion. The dependency portion containing multiple SQL statements, multiple compilation environments for each SQL statement and multiple variations within each compilation environment. The dependency portion of the dynamic portion containing a plurality of lists of object types. Each object type having its own list, the list containing data on which variations are dependant on each object.

22 Claims, 6 Drawing figures